Comparisons of Job Characteristics

Focus Occupation: Metal-Refining Furnace Operators and Tenders (51-4051)
Associated Occupation: Pourers and Casters, Metal (51-4052)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 66

Focus Occupation: Metal-Refining Furnace Operators and Tenders (51-4051)
Associated Occupation: Pourers and Casters, Metal (51-4052)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Production and Processing	6.0	7.5	13.1	**>>**	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Metal-Refining Furnace Operators and Tenders (51-4051)
Associated Occupation: Pourers and Casters, Metal (51-4052)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation Monitoring	6.6	9.5	12.2	**>>**	Skill level is likely more than sufficient
Operation and Control	5.4	8.7	11.9	**>>**	Skill level is likely more than sufficient
Equipment Maintenance	3.5	6.7	7.1	**0**	Current skill level may be sufficient
Troubleshooting	4.5	6.2	6.7	**0**	Current skill level may be sufficient
Repairing	3.4	5.8	5.9	**0**	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities — Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Metal-Refining Furnace Operators and Tenders (51-4051)
Associated Occupation: Pourers and Casters, Metal (51-4052)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	10.7	10.2	0	Current ability level may be sufficient
Control Precision	6.6	10.3	12.3	>	Current ability level is likely sufficient
Manual Dexterity	6.5	9.8	11.4	>	Current ability level is likely sufficient
Reaction Time	4.8	9.0	10.6	>	Current ability level is likely sufficient
Static Strength	5.0	8.4	8.9	0	Current ability level may be sufficient
Rate Control	3.8	7.2	9.0	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Metal-Refining Furnace Operators and Tenders (51-4051)
Associated Occupation: Pourers and Casters, Metal (51-4052)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Collect samples for testing	58
Examine products or work to verify conformance to specifications	15
Load or unload material or workpiece into machinery	34
Monitor production machinery/equipment operation to detect problems	27
Move or fit heavy objects	8
Operate hoist, winch, or hydraulic boom	34
Operate ore refining/foundry equipment/machinery	84
Perform safety inspections in manufacturing or industrial setting	33
Signal directions or warnings to coworkers	42

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Metal-Refining Furnace Operators and Tenders (51-4051)
Associated Occupation: Pourers and Casters, Metal (51-4052)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.